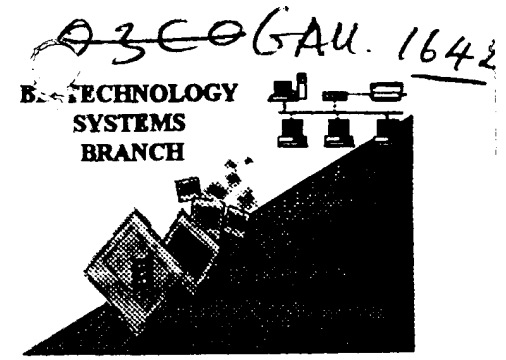


Sept 16 34

Lot 24012



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/053,855
Art Unit / Team No. : 018E
Date Processed by STIC: 4/16/98

#7

RECEIVED
98 JUL 30 AM 11:23
GROUP 180

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,**
- 2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

ARTI SHAH 703-308-4212

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/052,855

DATE: 04/16/98
TIME: 13:51:27

INPUT SET: S25012.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

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(1) General Information

(i) APPLICANT: BILLING-MEDEL, PATRICIA
COHEN, MAURICE
COLPITTS, TRACEY L.
FRIEDMAN, PAULA N.
GORDON, JULIAN
GRANADOS, EDWARD N.
HAYDEN, MARK
HODGES, STEVEN C.
KLASS, MICHAEL R.
KRATOCHVIL, JON D.
ROBERTS-RAPP, LISA
RUSSELL, JOHN C.
STROUPE, STEPHEN D.

(ii) TITLE OF THE INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE GASTROINTESTINAL
TRACT

(iii) NUMBER OF SEQUENCES: 30

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Abbott Laboratories
(B) STREET: 100 Abbott Park Road
(C) CITY: Abbott Park
(D) STATE: IL
(E) COUNTRY: USA
(F) ZIP: 60064-3500

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Diskette
(B) COMPUTER: IBM Compatible
(C) OPERATING SYSTEM: DOS
(D) SOFTWARE: FastSEQ for Windows Version 2.0

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:
(B) FILING DATE:
(C) CLASSIFICATION:

Does Not Comply
Corrected Diskette Needed

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GROUP 180

--> OK

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/052,855DATE: 04/16/98
TIME: 13:51:28

INPUT SET: S25012.raw

47 (vii) PRIOR APPLICATION DATA:
48 (A) APPLICATION NUMBER: 08/828,489
49 (B) FILING DATE: 31-MAR-1997
50
51
52
53 (viii) ATTORNEY/AGENT INFORMATION:
54 (A) NAME: Becker, Cheryl L.
55 (B) REGISTRATION NUMBER: 35,441
56 (C) REFERENCE/DOCKET NUMBER: 6064.US.P1
57
58 (ix) TELECOMMUNICATION INFORMATION:
59 (A) TELEPHONE: 847/935-1729
60 (B) TELEFAX: 847/938-2623
61 (C) TELEX:
62
63
64 (2) INFORMATION FOR SEQ ID NO:1:
65
66 (i) SEQUENCE CHARACTERISTICS:
67 (A) LENGTH: 273 base pairs
68 (B) TYPE: nucleic acid
69 (C) STRANDEDNESS: single
70 (D) TOPOLOGY: linear
71
72 (ix) FEATURE:
73 (A) NAME/KEY: base_polymorphism
74 (B) LOCATION: 3
75 (D) OTHER INFORMATION: /note= " N' represents an A or G or
76 T or C polymorphism at this position"
77
78 (ix) FEATURE:
79 (A) NAME/KEY: base_polymorphism
80 (B) LOCATION: 55
81 (D) OTHER INFORMATION: /note= " N' represents an A or G or
82 T or C polymorphism at this position"
83
84 (ix) FEATURE:
85 (A) NAME/KEY: base_polymorphism
86 (B) LOCATION: 62
87 (D) OTHER INFORMATION: /note= " N' represents an A or G or
88 T or C polymorphism at this position"
89
90 (ix) FEATURE:
91 (A) NAME/KEY: base_polymorphism
92 (B) LOCATION: 190
93 (D) OTHER INFORMATION: /note= " N' represents an A or G or
94 T or C polymorphism at this position"
95
96 (ix) FEATURE:
97 (A) NAME/KEY: base_polymorphism
98 (B) LOCATION: 201
99 (D) OTHER INFORMATION: /note= " N' represents an A or G or

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Please ensure all "N" locations are accurate
throughout listing.

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/052,855DATE: 04/16/98
TIME: 13:51:29

INPUT SET: S25012.raw

100 T or C polymorphism at this position"

101

102

(ix) FEATURE:

103 (A) NAME/KEY: base_polymorphism

104 (B) LOCATION: 204

105 (D) OTHER INFORMATION: /note= " N' represents an A or G or
106 T or C polymorphism at this position"

107

108

(ix) FEATURE:

109 (A) NAME/KEY: base_polymorphism

110 (B) LOCATION: 206

111 (D) OTHER INFORMATION: /note= " N' represents an A or G or
112 T or C polymorphism at this position"

113

114

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

115

116 GGNCAGAGCC TGCGCAGGGC AGGAGCAGCT GGCCCACTGG CGGCCCGCAA CACTNCGTCT 60

117 TNACCCCTCTG GGCCCACTGC ATCTAGAGGA GGGCCGTCTG TGAGGCCACT ACCCCTCCAG 120

118 CAACTGGGAG GTGGGACTGT CAGAAGCTGG CCCAGGGTGG TGGTCAGCTG GGTCAGGGAC 180

119 CTACGGCANC TGCTGGACCA NCTNGNCTTT TCCATCGAAG CAGGGAAGTG GGAGCCTTGA 240

120 GCCCTTGCGT GGAAGCTTGA CCCCAAGCCA CTT 273

121

122

(2) INFORMATION FOR SEQ ID NO:2:

123

124

(i) SEQUENCE CHARACTERISTICS:

125 (A) LENGTH: 250 base pairs

126 (B) TYPE: nucleic acid

127 (C) STRANDEDNESS: single

128 (D) TOPOLOGY: linear

129

130

(ix) FEATURE:

131 (A) NAME/KEY: base_polymorphism

132 (B) LOCATION: 69

133 (D) OTHER INFORMATION: /note= " N' represents an A or G or
134 T or C polymorphism at this position"

135

136

(ix) FEATURE:

137 (A) NAME/KEY: base_polymorphism

138 (B) LOCATION: 97

139 (D) OTHER INFORMATION: /note= " N' represents an A or G or
140 T or C polymorphism at this position"

141

142

(ix) FEATURE:

143 (A) NAME/KEY: base_polymorphism

144 (B) LOCATION: 140

145 (D) OTHER INFORMATION: /note= " N' represents an A or G or
146 T or C polymorphism at this position"

147

148

(ix) FEATURE:

149 (A) NAME/KEY: base_polymorphism

150 (B) LOCATION: 223

151 (D) OTHER INFORMATION: /note= " N' represents an A or G or
152 T or C polymorphism at this position"

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/052,855DATE: 04/16/98
TIME: 13:51:30

INPUT SET: S25012.raw

153
154
155 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
156
157 AGAGCCTGCG CAGGGCAGGA GCAGCTGGCC CACTGGCGGC CCGCAACACT CCGTCTCACC 60
158 CTCTGGGCNC ACTGCATCTA GAGGAGGGCC GTC'TGTNAGG CCAC'TACCCC TCCAGCAACT 120
159 GGGAGGTGGG ACTGTCAGAN GCTGGCCCAG GGTGGTGGTC AGCTGGGTCA GGGACCTACG 180
160 GCACCTGCTG GACCACCTCG CCTTCTCCAT CGAAGCAGGG AANTGGGAGC CTCGAGCCCT 240
161 CGGGTGGAAG 250
162

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

166 (A) LENGTH: 250 base pairs
167 (B) TYPE: nucleic acid
168 (C) STRANDEDNESS: single
169 (D) TOPOLOGY: linear
170

(ix) FEATURE:

171 (A) NAME/KEY: base_polymorphism
172 (B) LOCATION: 68
173 (D) OTHER INFORMATION: /note= " N' represents an A or G or
174 T or C polymorphism at this position"
175
176

(ix) FEATURE:

177 (A) NAME/KEY: base_polymorphism
178 (B) LOCATION: 232
179 (D) OTHER INFORMATION: /note= " N' represents an A or G or
180 T or C polymorphism at this position"
181
182

(ix) FEATURE:

183 (A) NAME/KEY: base_polymorphism
184 (B) LOCATION: 233
185 (D) OTHER INFORMATION: /note= " N' represents an A or G or
186 T or C polymorphism at this position"
187
188
189

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

190
191
192 TGGCGGCCCG CAACACTCCG TCTCACCCTC TGGGCCCACT GCATCTAGAG GAGGGCCGTC 60
193 TGTGAGGNCA CTACCCCTCC AGCAACTGGG AGGTGGGACT GTCAGAATCT GGCCCAGGGT 120
194 GGTGGTCAGC TGGGTCAGGG ACCTACGGCA CCTGCTGGAC CACCTCGCCT TCTCCATCGA 180
195 AGCAGGGAAG TGGGAGCCTC GAGCCCTCGG GTGGAAGCTG ACCCCAAGCC ANNCTTCACC 240
196 TGGACAGGAT 250
197

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

201 (A) LENGTH: 233 base pairs
202 (B) TYPE: nucleic acid
203 (C) STRANDEDNESS: single
204 (D) TOPOLOGY: linear
205

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/052,855DATE: 04/16/98
TIME: 13:51:31

INPUT SET: S25012.raw

206

207

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

208

209

CCCTCTGGGC CCACTGCATC TAGAGGAGGG CCGTCTGTGA GGCCACTACC CCTCCAGCAA 60

210

CTGGGAGGTG GGA CTGTCTAG AAGCTGGCCC AGGGTGGTGG TCAGCTGGGT CAGGGACCTA 120

211

CGGCACCTGC TGGACCACCT CGCCTTCTCC ATCGAAGCAG GGAAGTGGGA GCCTCGAGCC 180

212

CTCGGGTGA AGCTGACCCC AAGCCACCCT TCACCTGGAC AGGATGAGAG TGT 233

213

214

(2) INFORMATION FOR SEQ ID NO:5:

215

216

(i) SEQUENCE CHARACTERISTICS:

217

(A) LENGTH: 287 base pairs

218

(B) TYPE: nucleic acid

219

(C) STRANDEDNESS: single

220

(D) TOPOLOGY: linear

221

222

(ix) FEATURE:

223

(A) NAME/KEY: base_polymorphism

224

(B) LOCATION: 17

225

(D) OTHER INFORMATION: /note= " N' represents an A or G or
T or C polymorphism at this position"

226

227

228

(ix) FEATURE:

229

(A) NAME/KEY: base_polymorphism

230

(B) LOCATION: 60

231

(D) OTHER INFORMATION: /note= " N' represents an A or G or
T or C polymorphism at this position"

232

233

234

(ix) FEATURE:

235

(A) NAME/KEY: base_polymorphism

236

(B) LOCATION: 193

237

(D) OTHER INFORMATION: /note= " N' represents an A or G or
T or C polymorphism at this position"

238

239

240

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

241

242

CACGAGGGCC GTCTGTNAGG CCACTACCCC TCCAGCAACT GGGAGGTGGG ACTGTCAGAN 60

243

GCTGGCCCCAG GGTGGTGGTC AGCTGGGTCA GGGACCTACG GCACCTGCTG GACCACCTCG 120

244

CCTTCTCCAT CGAAGCAGGG AAGTGGGAGC CTCGAGCCCT CGGGTGGGAAG CTGACCCCAA 180

245

GCCACCCTTC ACNTGGACAG GATGAGAGTG TCAGGTGTGC TTCGCCTCCT GGCCCTCATC 240

246

TTTGCCATAG TCACGACATG GATGTTTATT CGAAGCTACA TGAGCTT 287

247

248

(2) INFORMATION FOR SEQ ID NO:6:

249

250

(i) SEQUENCE CHARACTERISTICS:

251

(A) LENGTH: 263 base pairs

252

(B) TYPE: nucleic acid

253

(C) STRANDEDNESS: single

254

(D) TOPOLOGY: linear

255

256

257

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

258

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/052,855

DATE: 04/16/98
TIME: 13:51:32

INPUT SET: S25012.raw

| Line | Error | Original Text |
|------|-----------------------------------|---------------------|
| 16 | Response Exceeds Line Limitations | RUSSELL, JOHN C. |
| 17 | Response Exceeds Line Limitations | STROUPE, STEPHEN D. |

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821 - 1.825 for the following reason(s):

☐ 1. This application clearly fails to comply with the requirements of 37 CFR 1.821 - 1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.

☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 CFR 1.821(c).

☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).

☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."

☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).

☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e).

☐ 7.

Other: _____

Applicant must provide:

☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing"

☐ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification

☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d)

For questions regarding compliance with these requirements, please contact:

For Rules Interpretation, call (703) 308-1123

For CRF submission help, call (703) 308-4212

For PatentIn software help, call (703) 557-0400

Please return a copy of this notice with your response.